

Coast Guard, DOT

§ 76.05-1

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Subpart 76.60—Fire Axes

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AUTHORITY: 46 U.S.C. 3306; E.O. 12234, 45 FR 58801, 3 CFR, 1980 Comp., p. 277; 49 CFR 1.46.

SOURCE: CGFR 65-50, 30 FR 16940, Dec. 30, 1965, unless otherwise noted.

Subpart 76.01—Application

§ 76.01-1 General.

- (a) The provisions of this part shall apply to all vessels except as specifically noted in this part.
- (b) [Reserved]

§ 76.01-2 Incorporation by reference.

(a) Certain material is incorporated by reference into this part with the approval of the Director of the Federal Register in accordance with 5 U.S.C. 552(a). To enforce any edition other than that specified in paragraph (b) of this section, the Coast Guard must publish notice of change in the FEDERAL REGISTER and make the material available to the public. All approved material is on file at the Office of the

Federal Register, 800 North Capitol Street NW, suite 700, Washington, DC, and at the U.S. Coast Guard, Office of Design and Engineering Standards (G-MSE), 2100 Second Street SW., Washington, DC 20593-0001 and is available from the sources indicated in paragraph (b) of this section.

(b) The material approved for incorporation by reference in this part and the sections affected are:

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959

ASTM F-1121, International Shore Connections for Marine Fire Applications, 1987: 76.10-10

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

1 Batterymarch Park, Quincy, MA 02269-9101

NFPA 13-1996, Standard for the Installation of Sprinkler Systems—76.25-1

[CGD 88-032, 56 FR 35824, July 29, 1991; 57 FR 31947, July 20, 1992, as amended by CGD 95-072, 60 FR 50463, Sept. 29, 1995; CGD 96-041, 61 FR 50729, Sept. 27, 1996; CGD 97-057, 62 FR 51045, 51204, Sept. 30, 1997]

§ 76.01-5 Equipment installed but not required.

- (a) Where fire detecting or extinguishing systems or equipment are not required, but are installed, the system or equipment and its installation shall meet the requirements of this part.
- (b) [Reserved]

Subpart 76.05—Fire Detecting and Extinguishing Equipment, Where Required

§ 76.05-1 Fire detecting systems.

(a) Approved fire detecting systems shall be installed in locations as required by table 76.05-1(a) on the following vessels:

- (1) Any vessel on an international voyage.
- (2) Any vessel of more than 150 feet in length having sleeping accommodations for passengers.

TABLE 76.05-1(A)

Space	Detecting systems	Fixed extinguishing systems
<i>Safety areas</i>		
Wheelhouse or fire-control room	None required ¹	None required ¹
Stairway and elevator enclosures	do ¹	Do. ¹

TABLE 76.05–1(A)—Continued

Space	Detecting systems	Fixed extinguishing systems
Communication corridors	do ¹	Do. ¹
Lifeboat embarkation and lowering stations	do	Do.
Radio room	do ¹	Do. ¹
<i>Accommodations</i>		
Staterooms, toilet spaces, isolated pantries, etc	do ¹	Do. ¹
Offices, lockers, and isolated storerooms	Electric, pneumatic, or automatic sprinkling ¹ .	Do. ¹
Public spaces	None required with 20-minute patrol. Electric, pneumatic, or automatic sprinkling with 1 hour patrol ¹ .	Do. ¹
Open decks or enclosed promenades	None required	Do.
<i>Service spaces</i>		
Galleys	do ¹	Do. ¹
Main pantries	do ¹	Do. ¹
Motion picture booths and film lockers	Electric, pneumatic, or automatic sprinkling ^{1,2} .	Do. ^{1,2}
Paint and lamp rooms	Smoke detecting ³	Carbon dioxide. ⁴
Inaccessible baggage, mail, and specie rooms and storerooms.	Smoke detecting ³	Carbon dioxide. ⁴
Accessible baggage, mail, and specie rooms and storerooms.	Electric, pneumatic, or automatic sprinkling.	None required. ¹
Refrigerated storerooms	None required	Do.
Carpenter, valet, photographic, and printing shops, sales rooms, etc.	Electric, pneumatic, or automatic sprinkling.	Do. ¹
<i>Machinery spaces</i>		
Coal fired boilers: Bunker and boiler space	None required	Do. ¹
Oil fired boilers: Spaces containing oil fired boilers either main or auxiliary, their fuel oil service pumps, and/or such other fuel oil units as the heaters, strainers, valves, manifolds, etc., that are subject to the discharge pressure of the fuel oil service pumps, together with adjacent spaces to which oil can drain.	do	Carbon dioxide or foam. ⁵
Internal combustion or gas turbine propelling machinery spaces.	do	Carbon dioxide. ⁶
Electric propulsive motors or generators of open type	do	None required.
Enclosed ventilating systems for motors and generators of electric propelling machinery.	do	Carbon dioxide (in ventilating system) ⁷
Auxiliary spaces, internal combustion or gas turbine	do	Carbon dioxide. ⁸
Auxiliary spaces, electric motors or generators	do	None required.
Auxiliary spaces, steam	do	Do.
Trunks to machinery spaces	do	Do.
Fuel tanks	do	Do. ⁹
<i>Cargo spaces</i>		
Inaccessible during voyage (combustible cargo), including trunks (excluding tanks).	Smoke detecting	Carbon dioxide. ⁴
Accessible during voyage (combustible cargo)	Smoke detecting, electric, pneumatic or automatic sprinkling.	Automatic or manual sprinkling.
Vehicular deck (except where no overhead deck is 30 feet in length or less).	None required	Manual sprinkling.
Cargo oil tanks	do	Carbon dioxide or foam. ⁴
Specially suitable for vehicles	Smoke detecting, electric, pneumatic or automatic sprinkling.	Carbon dioxide, automatic or manual sprinkling.

¹ Vessels of 100 gross tons and over contracted for on or before May 27, 1936, and having combustible joiner work; shall be fitted with an automatic sprinkling system, except in relatively incombustible spaces.

² Sprinkler heads may be attached to sanitary system provided electrical or pneumatic detecting is installed.

³ On vessels contracted for prior to November 19, 1952, electric or pneumatic detecting may be substituted.

⁴ On vessels contracted for prior to January 1, 1962, a steam smothering system may be accepted. However, although existing steam smothering systems may be repaired, replaced, or extended, no new system contracted for on or after January 1, 1962, will be permitted.

⁵ Protection of auxiliary boilers, fuel oil units, valves and manifolds not required on vessels contracted for prior to November 19, 1952.

⁶ Not required on vessels of less than 300 gross tons (except on an international voyage) using fuel with a flashpoint higher than 110 °F., where the space is normally manned.

⁷ Not required on vessels contracted for prior to November 19, 1952.

⁸Not required on vessels of less than 300 gross tons nor on vessels contracted for prior to November 19, 1952, except where fuel, including starting fuel, has a flashpoint of 110 °F. or less.

⁹Where fuel having a flashpoint of 110 °F. or lower is used, the space containing the fuel tanks shall be protected by a carbon dioxide system.

(3) Any vessel of 150 feet or less in length, not on an international voyage, having sleeping accommodations for 50 or more passengers. Vessels in this category are not required to have a detecting system in the cargo spaces.

(b) The arrangements and details of the fire detecting systems shall be as set forth in subparts 76.25 through 76.33.

[CGFR 65-50, 30 FR 16940, Dec. 30, 1965, as amended by CGFR 65-33, 31 FR 15282, Dec. 6, 1966]

§ 76.05-5 Manual alarm system.

(a) An approved manual alarm system shall be installed in all areas, other than the main machinery spaces, which are normally accessible to the passengers or crew on any vessel having sleeping accommodations for passengers or on any vessel on an international voyage.

(b) The arrangement and details of the manual alarm system shall be as set forth in subpart 76.35.

§ 76.05-10 Supervised patrol system.

(a) A supervised patrol or watchman system shall be provided on all vessels as set forth in §§ 78.30-10 and 78.30-15 of this subchapter.

(b) [Reserved]

§ 76.05-15 Fire main system.

(a) Fire pumps, hydrants, hose, and nozzles shall be installed on the following vessels:

(1) On all self-propelled vessels.

(2) After July 1, 1957, on all barges with sleeping accommodations for more than six persons.

(b) The arrangement and details of the fire main system shall be as set forth in subpart 76.10.

§ 76.05-20 Fixed fire extinguishing systems.

Approved fire extinguishing systems must be installed, as required by table 76.05-1(a) on all self-propelled vessels and on all barges with sleeping accommodations for more than six persons. Previously approved installations may

be retained as long as they are maintained in good condition to the satisfaction of the Officer in Charge, Marine Inspection.

[CGD 95-027, 61 FR 35138, July 5, 1996]

§ 76.05-25 Hand portable fire extinguishers and semiportable fire extinguishing systems.

(a) Approved hand portable fire extinguishers and semiportable fire extinguishing systems shall be installed on all vessels as set forth in subpart 76.50.

(b) [Reserved]

Subpart 76.10—Fire Main System, Details

§ 76.10-1 Application.

(a) The provisions of this subpart, with the exception of § 76.10-90, shall apply to all fire main installations contracted for on or after May 26, 1965. Installations contracted for prior to May 26, 1965, shall meet the requirements of § 76.10-90.

(b) [Reserved]

§ 76.10-3 Water availability.

(a) On all vessels on an international voyage, regardless of the date of construction, water pressure from the firemain protecting enclosed spaces shall be immediately available by maintenance of water pressure on the firemain at all times when passengers are aboard the vessel, or by remote control of fire pumps which control shall be easily operable and readily accessible.

(b) Where approved remote controls are not installed, an alarm shall be fitted which will sound in the engine room indicating a drop of water pressure on the system.

[CGFR 67-87, 32 FR 19181, Dec. 20, 1967]

§ 76.10-5 Fire pumps.

(a) Vessels shall be equipped with independently driven fire pumps in accordance with table 76.10-5(a).